

RG-174/U 8216**Coax - RG-174/U Type**

RG-174/U type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (90% coverage), PVC jacket.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8216 0101000	305 MT	4.082 KG	BLACK	G N	#26 PE BRD PVC

Notes:

G = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 100'

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	26	7x34	BCCS - Bare Copper Covered Steel	0.4826

Insulation**Insulation Material:**

Insulation Material	Dia. (mm)
PE - Polyethylene	1.524

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 2.794 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 12.501 Kg/Km

Max. Recommended Pulling Tension: 93.412 N

Min. Bend Radius (Install)/Minor Axis: 25.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1354 (30 V 60°C)
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	174/U

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (μH/m)
0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
318.257

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
35.1067

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	6.2339
10	10.8273
50	19.0298
100	27.5604
200	41.0125
400	62.339
700	88.587
900	101.711
1000	111.554

Max. Power Rating:

Freq. (MHz)	Rating (W)
1	976
10	354
50	197
100	161
200	136
400	120
700	112
900	109
1000	108

Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage
1100 V RMS (Military)

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E-MAIL: sales@vdom.com.cn